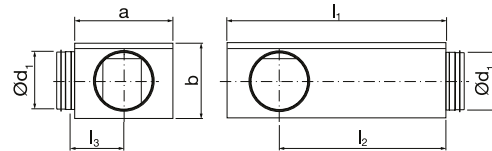


# Rect. angled attenuator with circular connections KVDP-90K



## Dimensions and sound data



Ød <sub>1</sub> nom	l <sub>nom</sub> mm	l <sub>1</sub> mm	l <sub>2</sub> mm	l <sub>3</sub> mm	a mm	b mm	m kg
100	600	626	508	142	252	154	3,6
100	1000	1036	918	142	252	154	5,5
125	600	626	496	149	263	177	4,0
125	1000	1036	906	149	263	177	6,0
160	600	626	478	156	280	212	5,1
160	1000	1036	888	156	280	212	7,5
200	600	626	458	202	361	253	6,9
200	1000	1036	868	202	361	253	10,3

## Description

Compact angled sound attenuator with good attenuation.

The attenuator's measurements makes it suitable for installation above suspended ceilings or where installation space is limited.

The attenuation material is Acutec® (polyester)

Fullfills tightness class C.

Tested according to ISO 7235 standard.

For special materials and sizes, please contact Lindab sales.

## Order code

<b>Product</b>	KVDP-90K
<b>Connection dim. Ød<sub>1</sub></b> Ød <sub>1</sub> = 100 - 200 mm	d
<b>Length (l) in mm</b> l = 600 - 1000 mm	l

**Order example: KVDP-90K-d-l**

## Sound attenuation

Ød <sub>1</sub> mm	l <sub>nom</sub> mm	Insertion loss [dB] for centre frequency [Hz]							
		63	125	250	500	1k	2k	4k	8k
100	600	11	12	13	21	34	32	27	30
100	1000	13	14	17	25	38	45	46	44
125	600	10	10	11	21	28	21	21	23
125	1000	13	12	15	26	35	31	27	29
160	600	8	8	10	21	21	18	20	21
160	1000	14	11	15	27	34	30	30	31
200	600	7	6	10	23	21	20	21	25
200	1000	10	9	14	27	34	34	30	33

K<sub>Woct</sub> correction

Ød <sub>1</sub> nom	Correction, K <sub>Woct</sub> (dB) for centre frequency [Hz]							
	63	125	250	500	1K	2K	4K	8K
100	8	9	6	3	-6	-15	-23	-36
125	11	10	6	1	-7	-13	-22	-34
160	12	8	6	2	-8	-15	-26	-38
200	17	10	6	0	-9	-16	-25	-37
Tol. +/-	3	3	2	3	3	3	3	3

Sound power levels per octave band  $L_{Woct}$  are calculated by adding the octave band corrections  $K_{oct}$  to the total power level  $L_{WA}$  from the graphs.  $L_{Woct} = L_{WA} + K_{oct}$

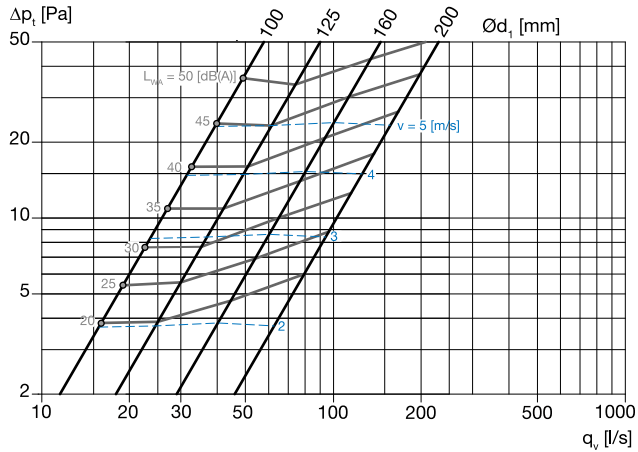
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# KVDP-90K

## Technical data

Pressure loss  $\Delta p_t$

$l = 600 \text{ mm}$



$l = 1000 \text{ mm}$

